Workflow Solutions

Contents

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Chapter
1

Overview

Topics:

Overview of the Workflow Solutions

Workflow Solutions Content enables GE Vernova Services to deliver tailored configurations of APM that are aligned to a customer's work processes. New families, fields, family policies, system tables and codes, permissions, security groups and roles, policies, and catalog content that enable tailored configurations to accelerate adoption of APM have been added.

Workflow Solutions Content is designed to be used only after configuration by GE Vernova Services. Therefore, this documentation provides only high-level information to allow you to identify the Content. If you engage GE Vernova Services to configure the Content, documentation of the fully configured solution will be provided as a deliverable of the service engagement.

For more information on Workflow Solutions, contact your GE Vernova account manager.

Important: Workflow Solutions Content is designed to be used only after configuration by GE Vernova. If you attempt to use or modify the Content without assistance from GE Vernova, this may adversely affect other APM features and functions, and is not supported.

Chapter

2

Equipment Health Workflow

Topics:

About Equipment Workflow

The Equipment Health Workflow Content includes families, fields, family policies, system tables and codes, permissions, security groups and roles, policies, and catalog content that supplements the Asset Health Management and Rounds features of APM.

Data Configuration

The following sub-sections are included in the **Data Configuration** section:

- Entity Families
- Relationship Families
- Relationship Definitions
- Fields
- Datasheets
- Family Policies
- System Codes and Tables

These sub-sections enable you to tailor the APM configuration to align with your work processes.

Entity Families

Family	Family ID
Time Series Tag	MI_TSTAG
Time Series Tag Values	MI_TSTAGVAL
Workflow Configuration	MI_WRKFLW_CONFIG
Asset Criticality Mapping	MI_ASSE_CRIT_MAPP
P to M Asset Mapping	MI_PTOMAMAP

Relationship Families

Family	Family ID
Has Time Series Tag	MI_HAS_TS_TAG
Has Time Series Value	MI_HAS_TS_VALUES
Has Workflow Config Details	MIR_HS_WRKFLW_CONFIG_DTLS

Relationship Definitions

Relationship ID	Predecessor Family	Successor Family	Cardinality
MI_HAS_TS_TAG	Equipment	Time Series Tag	Many to Many
MI_HAS_TS_TAG	Functional Location	Time Series Tag	Many to Many

Relationship ID	Predecessor Family	Successor Family	Cardinality
MI_HAS_TS_VALUES	Time Series Tag	Time Series Tag Values	One to Many
MIR_HS_WRKFLW_CONFIG_DTLS	Workflow Configuration	Workflow Configuration Details	One to Many

Fields

Family	Family ID	Additional Field	Additional Field ID
Functional Location	MI_FNCLOC00	EHW Status	MI_FNCLOC00_EHW_STATUS_C
Equipment	MI_EQUIP000	EHW Status	MI_EQUIP000_EHW_STATUS_C
Measurement Location	MI_MEAS_LOC	EHW Weight	MI_MEAS_LOC_EHW_WGHT_N
Health Indicator	MI_HLTH_IND	EHW Weight	MI_HLTH_IND_TYPE_C
Health Indicator	MI_HLTH_IND	Type	MI_HLTH_IND_EHW_WGHT_N

Datasheets

Family	Datasheet Name	Datasheet Caption	Datasheet ID
Equipment	Health Workflow Status (Equipment)	EHW Status	EHW_STATUS
Functional Location	Health Workflow Status (Functional Location)	EHW Status	EHW_STATUS
Measurement Location	Update ML Weight	EWH ML Weight	EHW_WEIGHT
P to M Asset Mapping	P to M Asset Mapping	EHW P to M Asset Mapping	EHW_P_M_MAPPING
Time Series Tag	Time Series Tag	EHW TimeSeries Tag	EWH_TS_TAG
Workflow Configuration	Workflow Module Config	EHW Workflow Configuration	EHW_CONFIG
Asset Criticality Mapping	Asset Criticality Mapping	EHW Asset Criticality Mapping	EHW_ASSET_CRIT_MAPP
Measurement Step	EHW Measurement Step	EHW Measurement Step	EHW_MEAS_STP
EHW Workflow Module Config	EHW Workflow Module Config	EHW Workflow Module Config	EHW_CONFIG

System Codes and Tables

System Table Description	System Table ID
Health Workflow Status	MI_EHW_STATUS
Time Series Tag Type	MI_TSTAG_TYPE
Time Series Tag Operation	MI_TSTAG_OPERATION

System Table Description	System Table ID
Health Indicator Type	MI_HEALTH_IND_TYPE
Tag Source	MI_EHW_TAG_SOURCE

Security Groups and Roles

The following table details the Security Groups, and Roles in the Equipment Health Workflow:

Groups	EHW Editor	EHW User	EHW Viewer
Security Groups	Yes	Yes	Yes
Roles	Yes	Yes	Yes

Module Workflow Policies

The following are the workflow policies available for the Equipment Health Workflow:

- EHW Calculate Asset AHI (Main) - Segment 001
- EHW Calculate Asset AHI (Main) - Segment 002
- EHW Calculate Asset AHI (Main) - Segment 003
- EHW Calculate Asset AHI (Main) - Segment 004
- EHW Calculate Asset AHI (Main) - Segment 005
- EHW Calculate Asset AHI (Main) - Segment 006
- EHW Calculate Asset AHI (Main) - Segment 007
- EHW Calculate Asset AHI (Main) - Segment 008
- EHW Calculate Asset AHI (Main) - Segment 009
- EHW Calculate Asset AHI (Main) - Segment 010
- EHW Create-Update
- EHW Alert Level for HI
- EHW Read Tag list - PTS
- EHW FLOC After Update Sub Policy
- EHW Equipment After Update Sub Policy
- EHW Create-Delete Asset and Tag Policy Instances - OTC
- EHW Read Tag list - OTC
- EHW Calculate Rounds CP1 and CP2
- EHW Calculate TS CP1 and CP2
- EHW Calculate PM CP1 and CP2
- EHW Calculate CM CP1 and CP2
- EHW Calculate REC CP1 and CP2
- EHW Calculate PD CP1 and CP2
- EHW Create Time Series Value
- EHW TimeSeries After Insert Sub Policy
- EHW Calculate CP1 Score Impact
- EHW Create-Delete Asset and Tag Policy Instances
- EHW Read Time Series Values (Main) - Segment 1
- EHW Read Time Series Values (Main) - Segment 2

- EHW Read Time Series Values (Main) - Segment 3
- EHW Read Time Series Values (Main) - Segment 4
- EHW Read Time Series Values (Main) - Segment 5
- EHW Read Time Series Values (Main) - Segment 6
- EHW Read Time Series Values (Main) - Segment 7
- EHW Read Time Series Values (Main) - Segment 8
- EHW Read Time Series Values (Main) - Segment 9
- EHW Read Time Series Values (Main) - Segment 10
- EHW Calculate Rounds Pro CP1 and CP2
- EHW CP2 Description by CP1 Category Description
- EHW Read Time Series Values (Main) OTC - Segment 1
- EHW Read Time Series Values (Main) OTC - Segment 2
- EHW Read Time Series Values (Main) OTC - Segment 3
- EHW Read Time Series Values (Main) OTC - Segment 4
- EHW Read Time Series Values (Main) OTC - Segment 5
- EHW Read Time Series Values (Main) OTC - Segment 6
- EHW Read Time Series Values (Main) OTC - Segment 7
- EHW Read Time Series Values (Main) OTC - Segment 8
- EHW Read Time Series Values (Main) OTC - Segment 9
- EHW Read Time Series Values (Main) OTC - Segment 10
- EHW Process Workflow Configuration
- EHW Process Workflow Configuration for RoundsPro

Catalog

All catalog items from the following folders and subfolders are included in the Equipment Health Workflow content.

- Baseline\Workflows\Equipment Health Tracking Workflow
- Public\Workflows\Equipment Health Tracking Workflow

Chapter

3

Production Tracking Workflow

Topics:

About Production Tracking Workflow

The Production Tracking Workflow Content includes permissions, security groups and roles, and catalog content that supplements the Production Loss Analysis features of APM.

Security Groups and Roles

The following table details the Security Groups, and Roles in the Production Tracking Workflow:

Groups	PTW Editor	PTW User	PTW Viewer
Security Groups	Yes	Yes	Yes
Roles	Yes	Yes	Yes

Catalog

All catalog items from the following folders and subfolders are included in the Production Tracking Workflow content.

- Baseline\Workflows\Production Tracking Workflow
- Public\Workflows\Production Tracking Workflow